# File IO Basics and Text File Handling assignments

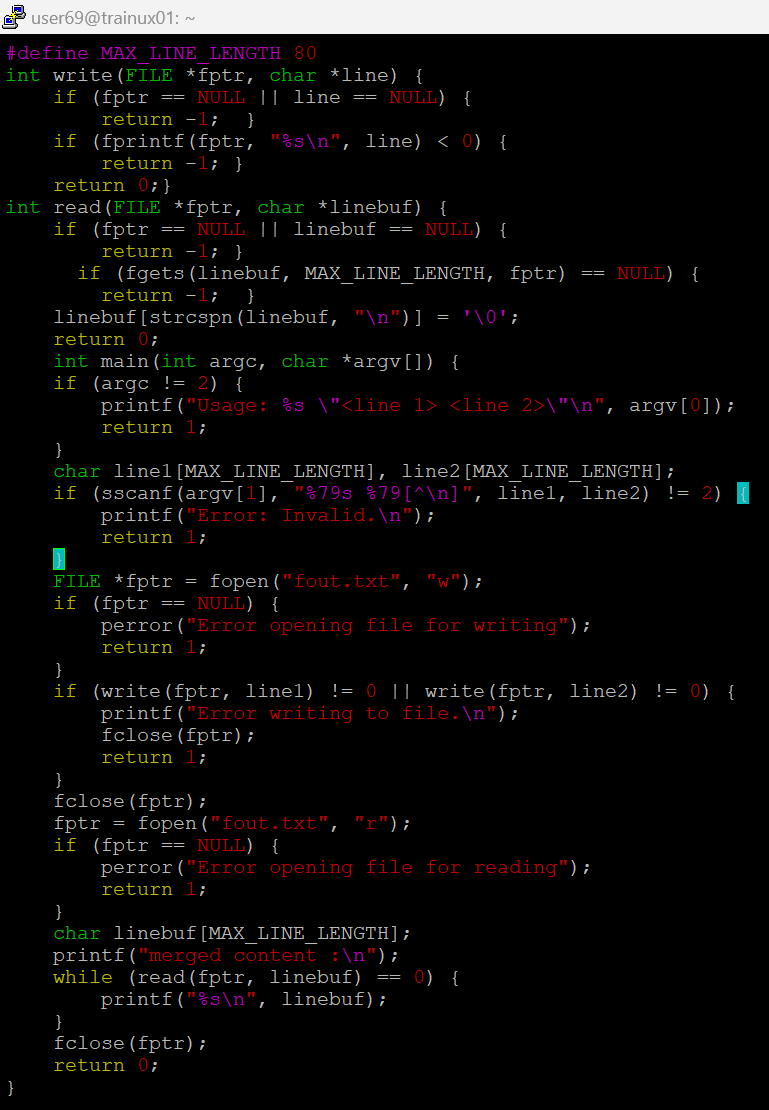
**Mandatory**

1. **Read 2 lines of text as single command line argument, validate the arguments, extract the lines, write to file “fout.txt”. Now open file read the content and display. Implement the functions**

**int write(FILE \*fptr, char \*line);**

**int read(FILE \*fptr, char \*linebuf);i**

**[Assume maximum line length as 80]**



1. **Accept 3 file names as command line arguments. The first 2 are input files in which first file has to be created as an integer file and the second file has to created as a string file. Merge the contents of these 2 files into the 3rd file. It should be one integer from the first file followed by one line from the second file.** 
   1. **Display the merged file.**
   2. **Add appropriate error handling.**
   3. **Modularize the program and do it as multi file program.**
   4. **Remove all memory leaks**
   5. **Read "Integer file" using fscanf (Formatted I/O)**
   6. **Read "Strings file" using fgets (Line I/O)**
   7. **Write "Output file" using fprintf (Formatted I/O)**

**Example:**

**f1.txt**

**10**

**20**

**f2.txt:**

**hello**

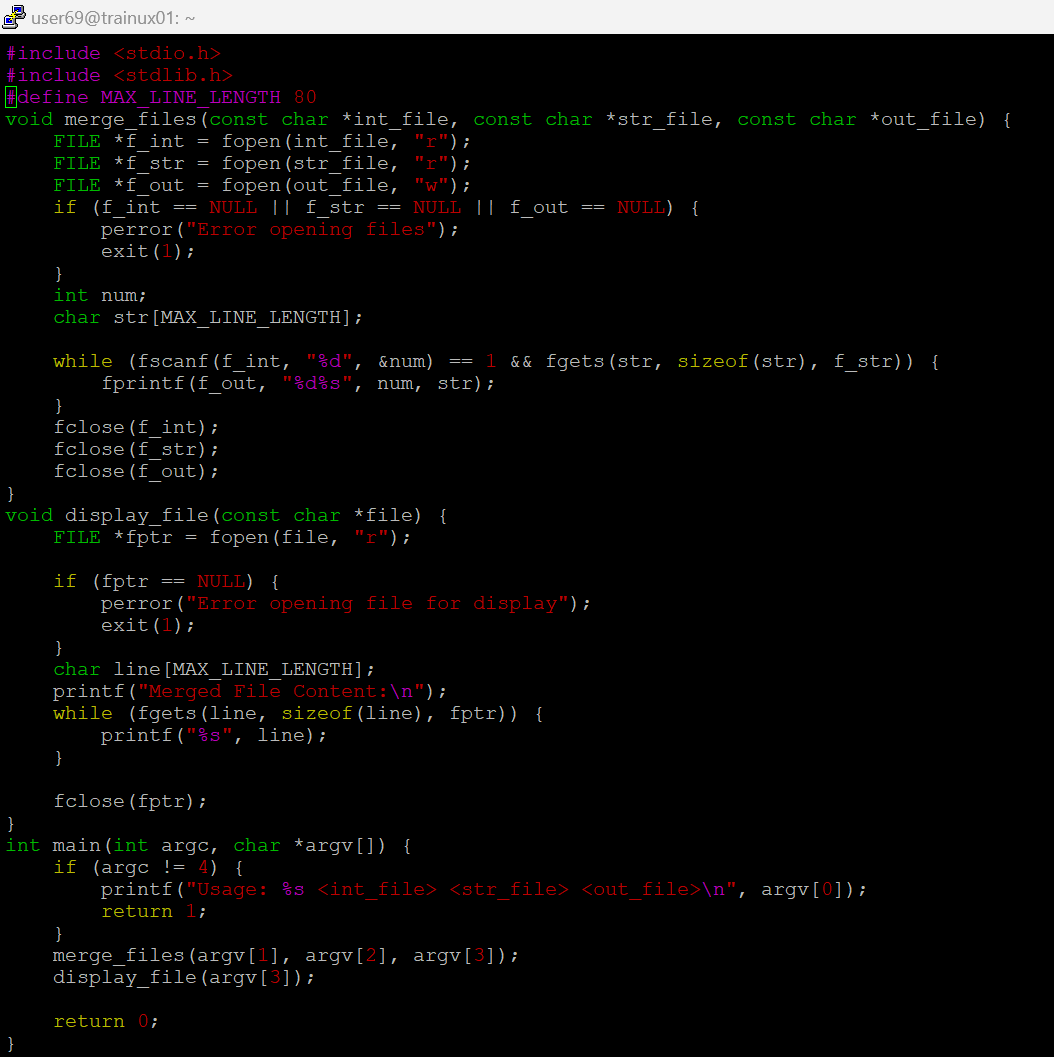
**hi**

**fout.txt:**

**10hello**

**20hi**

**:wq**



1. **Copy the file “string\_process\_prg.c“ to your local directory. Consider a line length of 80 characters. Create “input.txt” file with appropriate data.**
2. **Fix the issues (warnings and errors in file).**
3. **Implement display()**
4. **Test the program for the expected output i.e to display file contents.**
5. **Free the allocated memory**

